

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Martin et al.
Serial No.: To Be Assigned
Filed: Concurrently Herewith
For: *Blocking Peptide for Inflammatory Cell Secretion*

Continuation of Serial No.: 10/180,753

Date: March 17, 2004

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a copy of two form(s) PTO-1449 as filed in parent application serial number 10/180,753, with the application serial number and filing date of the parent application struck through. In addition, a form PTO 1449 is attached with a list of references cited by the Examiner on form PTO 892 in the prosecution of the parent application.

A copy of each of the references above has been submitted to, or cited by, the Examiner in the parent application and is not provided herewith.

It is requested that all of these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



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Clara R. Beard

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number 5051-574CT		Serial No. To Be Assigned	
				Applicants: Martin et al.			
				Filing Date Concurrently Herewith		Group To Be Assigned	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	1.	Adler et al. "Effects of inflammatory mediators and drugs on mucus secretion and mucociliary function" <u>Res. Immunol.</u> 149:24-248, 1998.					
	2.	Barnes, PJ. "Current and future therapies for airway mucus hypersecretion." <u>Novartis Found Symp.</u> 248-237-49. (2002).					
	3.	Ward, PA and Mulligan MS. "Blocking of adhesion molecules in vivo as anti-inflammatory therapy." <u>Ther Immunol.</u> 1(3):165-71. (1994).					

EXAMINER _____
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DATE CONSIDERED _____

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	40180-755 To Be Assigned	
			Filing Date	06/26/2002 Concurrently herewith	
			First Named Inventor	Linda D. Martin	
			Group Art Unit	4644	
			Examiner Name	Meher M. Haddad	
Sheet	1	of	1	Attorney Docket Number	5051-574 5051-574CT

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T	
	1	Abdullah et al., <i>P_{2u} purinoceptor regulation of mucin secretion in SPOC1 cells, a goblet cell line from the airways</i> , Biochem. J. Vol. 316, 1996, pp. 943-951		
	2	Abdullah et al., <i>Protein kinase C and Ca²⁺ activation of mucin secretion in airway goblet cells</i> , Am. J. Physiol., Vol. 273, pp. L201-L210		
	3	Adler et al., <i>Effects of inflammatory mediators and drugs on mucin secretion and mucociliary function</i> , Res. Immunol., Vol. 149, 1998, pp. 245-248		
	4	Cross et al., <i>Antioxidant Protection: A Function of Tracheobronchial and Gastrointestinal Mucus</i> , The Lancet, June 16, 1984, pp. 1328-1329		
	5	Fischer et al., <i>Tumor Necrosis Factor-α Stimulates Mucin Secretion and Cyclic GMP Production by Guinea Pig Tracheal Epithelial Cells In Vitro</i> , Am. J. Respir. Cell Mol. Biol., Vol. 20, 1999, pp. 413-422		
	6	Kim et al., <i>Airway Mucus</i> , Eur. Respir. J., Vol. 10, 1997, p. 1438		
	7	King et al., <i>Alteration of Airway Reactivity by Mucus</i> , Respiration Physiology, Vol. 62, 1985, pp. 47-59		
	8	Ko et al., <i>ATP-induced Mucin Release from Cultured Airway Goblet Cells Involves, in Part, Activation of Protein Kinase C</i> , Am. J. Respir. Cell Mol. Biol. Vol. 16, 1996, pp. 194-198		
	9	Krunkosky et al., <i>Effects of TNFα on Expression of ICAM-1 in Human Airway Epithelial Cells In Vitro</i> , Am. J. Respir. Cell Mol. Biol., Vol. 22, 2000, pp. 685-692		
	10	Larivée et al., <i>Platelet-Activating Factor Induces Airway Mucin Release via Activation of Protein Kinase C: Evidence of Translocation of protein Kinase C to Membranes</i> , Am. J. Respir. Cell Mol. Biol., Vol. 11, 1994, pp. 199-205		
	11	Lethem et al., <i>Nucleotide Regulation of Goblet Cells in Human Airway Epithelial Explants: Normal Exocytosis in Cystic Fibrosis</i> , Am. J. Respir. Cell Mol. Biol., Vol. 9, 1993, pp. 315-322		
	12	Li et al., <i>MARCKS Protein Is a Key Molecule Regulating Mucin Secretion by Human Airway Epithelial Cells in Vitro</i> , The Journal of Biological Chemistry, Vol. 276, No. 44, November 2, 2001, pp. 40982-40990		
	13	Prescott et al., <i>Chronic Mucus Hypersecretion in COPD and Death From Pulmonary Infection</i> , Eur. Respir. J., Vol. 8, 1995, pp. 1333-1338		
	14	Steiger et al., <i>Concurrent Increases in the Storage and Release of Mucin-like Molecules by Rat Airway Epithelial Cells in Response to Bacterial Endotoxin</i> , Am. J. Respir. Cell Mol. Biol., Vol. 12, 1995, pp. 307-314		
	15	Thornton et al., <i>Identification of Two Glycoforms of the MUC5B Mucin in Human Respiratory Mucus</i> , The Journal of Biological Chemistry, Vol. 272, No. 14, April 4, 1997, pp. 9561-9566		
	16	Vishwanath et al., <i>Adherence of Pseudomonas aeruginosa to Human Tracheobronchial Mucin</i> , Infection and Immunity, Vol. 45, No. 1, July 1984, pp. 197-202		
	17	Wright et al., <i>Oxidant stress stimulates mucin secretion and PLC in airway epithelium via a nitric oxide-dependent mechanism</i> , American J. Physiol., Vol. 271, pp. L854-L861		

Examiner Signature		Date Considered	
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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number 5051-574 5051-574CT		Serial No. 10/180,753 TO Be Assigned	
				Applicants: Martin et al.			
				Filing Date June 26, 2002 Concurrently herewith		Group 1644	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	1.	WO 00/50062	08/2000	PCT	A61K	38/17	Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	2.	Elzagallaai, A., et al. "Platelet Secretion Induced by Phorbol Esters Stimulation is Mediated Through Phosphorylation of MARCKS: a MARCKS-Derived Peptide Blocks MARCKS Phosphorylation and Serotonin Release Without Affecting Pleckstrin Phosphorylation." <i>Hemostasis, Thrombosis, and Vascular Biology</i> . 95(3):894-902. (Feb. 1, 2000).					
	3.	International Search Report corresponding to PCT/US02/22270 mailed on January 22, 2003.					
	4.	Rogers, D.F. "Airway Goblet Cell Hyperplasia in Asthma: Hypersecretory and Anti-Inflammatory?" <i>Clinical and Experimental Allergy</i> . Editorial 32:1124-1127. (2002).					
	5.	Li, Y., et al. "MARCKS Protein is a Key Molecule Regulation Mucin Secretion by Human Airway Epithelial Cells <i>in Vitro</i> ." <i>The Journal of Biological Chemistry</i> . 276(44):40982-40990. (November 2, 2001).					
	6.	Zhao, Y., et al. "Role of MARCKS in regulating endothelial cell proliferation." <i>Am J Physiol Cell Physiol</i> . 279:C1611-C1620. (2000).					

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